



US 20190289225A1

(19) **United States**(12) **Patent Application Publication**
VONIKAKIS et al.(10) **Pub. No.: US 2019/0289225 A1**(43) **Pub. Date: Sep. 19, 2019**(54) **SYSTEM AND METHOD FOR GENERATING
GROUP PHOTOS**(52) **U.S. Cl.**CPC *H04N 5/272* (2013.01); *G06K 9/00302*
(2013.01); *G06F 3/04847* (2013.01); *G06K*
9/6253 (2013.01); *G06K 9/00677* (2013.01)(71) Applicant: **Panasonic Intellectual Property
Management Co., Ltd., Osaka (JP)**(72) Inventors: **Vasileios VONIKAKIS, Singapore**
(SG); **Ariel BECK, Singapore (SG);**
Chandra Suwandi WIJAYA,
Singapore (SG)

(57)

ABSTRACT

A system and method for combining individual faces from a collection of group photos into a single photo based on optimal characteristics and user preferences is described. The system obtains a collection of group photos and conducts an analysis on the collection of group photos. A user may input a desired facial expression and/or context. The system selects a base image and individual faces from the collection of group photos according to the desired facial expression and/or context of the user. The selected faces can be incorporated onto the base image to generate an optimal composite group photo. Multiple composite photos can be generated from the collection based on the user input.

(21) Appl. No.: **15/924,490**(22) Filed: **Mar. 19, 2018****Publication Classification**(51) **Int. Cl.***H04N 5/272* (2006.01)
G06K 9/00 (2006.01)
G06K 9/62 (2006.01)